NITFS
Compliance Registration

Product: Dissemination Element (DE) Version 4.0.2, Build 574, (ERS 00)

Sponsor: National Geospatial-Intelligence Agency (NGA)

Developer: Lockheed Martin Management and Data Systems

Date: 14 October 2003
Expiration: 13 October 2005
Registration #: 126

☐ Initial Registration
☑ Supplemental/Update # __126__
☐ Derived from Reg. # ____

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL

		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	■	■	■	■	■	■	

Configurations Tested:

- Sun Client – E-450- Sun Solaris 2.6   [CLEVELs 1-6]
  Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server – E6000 - Sun Solaris 8   [CLEVELs 4-6]
  Image Formats: Full, IMP, RRDS, 11/16 Bit

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
NITF
- ○ ○ v2.1
- ○ ● v2.0
- ○   v1.1
NSIF
- ○ ○ v1.0

Pixel Value Types
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ○ ○ Bit Mapped **
- ○ ○ CGM, 2301
- ○ ○ CGM, 2301A
- ○ ○ Labels **

Text Segments
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

Image Segment Types
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ○ ● Not Compressed
- ○ ○ JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
- ○ ○ Bi-Level
- ○ ○ Vector Quantization
- ○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ○ Registered Extensions **

Tagged Record Extensions
- ○ ● PIAE - PIAPRC
- ○ ● National SDE - ALL
- ○ ○

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

Edward E. Boyles (signature)

EDWARD E. BOYLES, Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program